

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

In the Claims

1. (Currently Amended) A system for supporting a solar panel array, the system comprising:

two pairs of columns, each pair having a first column and a second column;

a first cable suspended between the first columns;

a second cable suspended between the second columns;

a plurality of panel receivers, each adapted for receiving a number of solar panels, the panel receivers being secured to each of the two cables[.]; and wherein each panel receiver includes:

a number of curved struts;

a number of horizontal struts connected to the curved struts with moment connections.

2. (Original) The system of claim 1 wherein the first columns are relatively long columns and the second columns are relatively short columns.

3. (Original) The system of claim 1 further comprising at least one anchoring device secured to the ground outside of the columns, wherein at least one of the first cable and the second cable is secured to the anchoring device.

4. (Original) The system of claim 1 further comprising a center support column attached to one of the first cable or the second cable between the pairs of columns.

5. (Original) The system of claim 1 further comprising a stability cable coupled between the first column and the second column of at least one of the pairs of columns.

6. (Cancelled)

7. (Currently Amended) The system of claim [[6]] 1 wherein each panel receiver further comprises;

a number of center struts attached near the middle of the curved struts; and

a number of cable trusses having a first end and a second end, the cable trusses being connected at the first end to one end of a curved strut and at the second end to an opposite end of the same curved strut;

wherein the cable trusses are coupled between the first end and the second end to the center struts.

8. (Original) A solar panel array comprising:

a first system as in claim 1;

a second system as in claim 1; and

a stability cable coupling a column from the first system to a column from the second system.

9. (Currently Amended) A system for providing shelter and producing electricity, the system comprising:

two pairs of columns, each pair having a first column and a second column;

a first cable suspended between the first columns;

a second cable suspended between the second columns;

at least two panel receivers each configured for receiving a number of solar panels, the panel receivers being attached to and supported by the two cables;

a number of solar panels received by each panel receiver;

wherein the columns are tall enough to allow a desired activity to occur beneath the panel receiver; and

wherein the cables are sufficiently long to allow the desired activity to occur between the pairs of columns[.]; and

wherein each panel receiver includes:

a number of curved struts;

a number of horizontal struts connected to the curved struts with moment connections.

10. (Original) The system of claim 9 wherein the first columns are relatively long columns and the second columns are relatively short columns.

11. (Original) The system of claim 9 further comprising at least one anchoring device secured to the ground outside of the columns, wherein at least one of the first cable and the second cable is tensioned by use of the anchoring device.

12. (Original) The system of claim 9 further comprising a center support column attached to one of the first cable and the second cable between the pairs of columns.

13. (Original) The system of claim 9 further comprising a stability cable coupled between the first column and the second column of at least one of the pairs of columns.

14. (Cancelled)

15. (Currently Amended) The system of claim [[14]] 2 wherein each panel receiver further comprises;

a number of center struts attached near the middle of the curved struts; and

a number of cable trusses having a first end and a second end, the cable trusses being connected at the first end to one end of a curved strut and at the second end to an opposite end of the same curved strut;

wherein the cable trusses are coupled between the first end and the second end to the center struts.

16. (Currently Amended) A system for supporting a solar panel array, the system comprising:

first, second, third and fourth anchor points;

a first support cable suspended between the first and second anchor points;

a second support cable suspended between the third and fourth anchor points; and

a plurality of solar panel receivers each adapted to receive a solar panel, the solar panel receivers being secured to the first support cable and the second support cable[.];
and

wherein each panel receiver includes:

a number of curved struts;

a number of horizontal struts connected to the curved struts with moment connections.

17. (Cancelled)

18. (Currently Amended) The system of claim 16 [[17]] wherein each panel receiver further comprises;

a number of center struts attached near the middle of the curved struts; and

a number of cable trusses having a first end and a second end, the cable trusses being connected at the first end to one end of a curved strut and at the second end to an opposite end of the same curved strut;

wherein the cable trusses are secured between the first end and the second end to the center struts.

19. – 20. (Cancelled)